

**PROJECT:** Midnite Mine Remediation**REPORT NO:** 2021-13**OWNER:** Newmont/Dawn Mining**OPERATOR:** Newmont/Dawn Mining**SUMMARY OF WORK ACTIVITIES OR EVENTS FOR THIS REPORTING PERIOD:**

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period June 18 – 24, 2021. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: (b) (6)

**SITE HEALTH, SAFETY, AND SECURITY**

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period June 18 – 24, 2021			
FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		
Comments: there were no injuries or incidents this week. Helicopter delivery and installation of the rockfall attenuator system was successful and was executed to the plan.			

**COMMUNITY LIAISON**

- Community notifications continue to be sent to Mr. Sherwood for site equipment deliveries and WTP Solids transport.

**PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS****Weekly Progress Meeting:**

The following stakeholders attended the Weekly Construction Progress meeting via a conference call on Wednesday, 23 June 2021 at 10:00;

- Jacobs
- Army Corps of Engineers (USACE)
- Dawn Mining Company (DMC)/Newmont
- WME
- AJAX
- Stantec

**Meeting Action Items:**

- None

**EPA Plan/Document Approvals:**

- EPA approved the Pit 4 Overburden Upper Area Final Status Survey Work Plan on 24 June (with required revisions)

### Regulatory Site Visit(s):

- Mark Fillius, USACE, was on Site on 18 June.

## REMEDIAL WORK ACTIVITIES

### Construction:

During the week of June 18 – 24, 2021, the following activities were conducted:

- Newmont excavated, hauled and placed low activity/low reactivity material from the west side of the South Waste Rock Pile (SWRP), the Pit 4 Overburden Pile, and the South Construction Support Zone (CSZ). Newmont placed these materials in the Pit 4 Waste Containment Area (WCA).
- Newmont extended the west Infiltration Collectors
- SLV Earthmovers continued crushing and screening material from the Hillside Waste Rock Pile (HSWRP) to produce Drain Gravel, Liner Bedding and Geomembrane Bedding Material. Newmont hauled these materials to stockpile locations designated in the 2021 Crushing and Stockpiling Work Plan (Stantec, 2021). Estimated quantities of materials produced are presented in Table 1.
- Collection of Quality Control samples from the crushing and screening operation continued with samples of Drain Gravel, Liner Bedding, and Geomembrane Bedding Material submitted to Budinger and Associates for gradation analysis.
- Stantec performed Method 9 visible emissions observations at the crushing and screening operation on the HSWRP on 18 June. Visible dust from the crushing operation conformed with project requirements.
- Newmont continued monitoring water levels in the South Pond. Current data indicates the water level in the leak detection system increased.
- Hi-Tech Rockfall completed installing anchors for drapery mesh and attenuator systems on the west side of the Pit 3. Hi-Tech Rockfall and Northwest Helicopters installed the posts and wire mesh netting for the attenuator system on 21 and 24 Jun.
- Stantec performed South Pond Embankment Stability inspection on 25 June. The embankment remains stable, movement monitoring points remain within tolerance, and water level in the South Pond Piezometer is below pumping level. Ground water level in the South Pond piezometer was monitored daily and remains below action level.
- Newmont welded 10-inch HDPE pipe for the Pit 3 dewatering system. Newmont performed hydrostatic pressure test on the 3-inch HPDE GW-54 to South Pond pipeline. Results of the pressure test conformed with the project Specifications.
- Halme Construction continued to fuse HDPE pipe for the effluent pipeline.
- Halme Construction continued clearing and grubbing the effluent pipeline alignment along the New Access Road. Halme Construction completed clearing and grubbing between West End Road and Blue Creek Road where the pipeline alignment follows an overgrown jeep trail.

**Table 1 – 2021 Production Estimates**

Material	Reporting Period			Year-to-date			Annual % Complete
	Planned Production (yd³)	Estimated Volume¹ (yd³)	% of Planned	Planned Production (yd³)	Estimated Volume¹ (yd³)	% of Planned	
Haulage to Pit 4							
SWRP	17,919	33,740	188%	315,523	433,832	137%	57%
HSWRP	1,889	0	0%	23,246	2,828	12%	4%

Material	Reporting Period			Year-to-date			Annual % Complete
	Planned Production (yd <sup>3</sup> )	Estimated Volume <sup>1</sup> (yd <sup>3</sup> )	% of Planned	Planned Production (yd <sup>3</sup> )	Estimated Volume <sup>1</sup> (yd <sup>3</sup> )	% of Planned	
Pit 4 Overburden	14,700	36,736	250%	97,720	273,980	280%	82%
South CSZ	0	5,348	--	0	14,308	--	286%
Total	34,508	75,824	220%	436,489	724,948	166%	63%
<b>Aggregate Production</b>							
Drain Gravel	8,500	8,314	98%	108,800	75,906	70%	25%
Liner Bedding	0	250	--	8,610	6,807	79%	74%
Geomembrane Bedding	8,500	8,200	96%	108,800	77,714	71%	20%
Total	17,000	16,764	99%	226,210	160,427	71%	23%

1 - Truck load assumed to be 27 yd<sup>3</sup>

### Stormwater Pollution Prevention Plan (SWPPP)

- Stantec performed the weekly SWPPP inspection on 24 June. No new BMPs or maintenance activities identified.
- Newmont continued installing diversion channel along the east edge of the Pit 4 Overburden Pile.
- Halme Construction installed BMPs along the effluent pipeline alignment between West End Road and Blue Creek Road and along Blue Creek Road.

### Spill Prevention, Control, and Countermeasure Activities (SPCC)

- Approximately 15 gallons of Transmission, Drive Train Oil (TDTO) spilled from the left, middle axle wheel of a haul truck when the wheel seal failed. The truck was shut down as soon as the leak was observed and absorbent pads were placed to absorb the leakage. Impacted soils were disposed of in Pit 4.

### Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- Halme Construction 2 bulldozers.
- Halme Construction horizontal directional drilling (HDD) equipment.

The following equipment was demobilized from the Site during this reporting period.

- None.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

### Materials:

The following material was delivered to the Site during this reporting period.

- None.

## CONSTRUCTION QUALITY ASSURANCE

### Dust Control and Monitoring

Seven dust monitors operated on site at the locations and for the time intervals listed in Table 2 below. There was no exceedance of the TSP action level ( $>260 \mu\text{g}/\text{m}^3$ ) during this time-period.

**Table 2 - TSP Dust Monitoring Locations during reporting period June 18 – 24, 2021**

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	Northeast Side of the SCSZ	04/16/21	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Northeast of the Mid-SWRP	03/24/21	D/N			D/N	D/N	D/N	D/N
ES-6 (roving)	East of HSWRP above High Road	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-7 (roving)	Northeast of HSWRP at Pit 4	03/23/21	D/N			D/N	D/N	D/N	D/N
ES-8 (stationary)	Northeast Rim of Pit 3	05/19/21	O			O	O	O	O
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (fog, smoke, pollen, heavy rain, etc.) O=Off - Special Circumstances * Equipment malfunction (Battery/Power Supply or Other)									

### Project Documentation

Project CQA-CQC Field Acceptance Forms, Engineering Change Notices (ECNs), Design Clarification Notices (DCNs), Non-Compliance Notifications (NCNs), Requests for Information (RFIs), Submittals, and Other Items received during this time-period are shown in the table below:

#### CQA Documentation

CQC-CQA Field Acceptance Forms			
Acceptance No.	Title		CQC-CQA Issue Date
None			
Project DCNs			
DCN No.	Title	Submittal Date	EPA Response Date
None			
Project ECNs			
ECN No.	Title	Submittal Date	EPA Response Date
2021-01	Monitoring and Control of Phreatic Levels in the South Pond Embankment  Dewatering well pump test was conducted on Friday (5/28/2021).  EPA Comments – <b><i>Provide a summary report of findings with a final plan for</i></b>	3/19/2021	<b><i>Conditional Approval Received on 5/11/2021</i></b>

	<b>dewatering. If dewatering is necessary, include a schedule for dewatering.</b>		
2021-02	Modifications to Pit 3 Underdrain and Dewatering Sumps	6/8/2021	<b>EPA - TBD</b>
<b>Notice of Non-Compliance</b>			
<b>NNC No. and Dates</b>	<b>Title/Description</b>	<b>CQA</b>	<b>CQA/EPA Response Date(s)</b>
NNC 2020-01 11/5/2020	South Pond Emergency Spillway Grout  Grout Placement at Supplemental GCS Completed on 5/12/2021.  Provide 28-day Compressive Strength Grout Results - due on 6/9/2021.  <b>Received Passing Compressive Strength Results on 6/11/2021.</b>	<b>Close-out Pending Sign-offs</b>	<b>NNC 2020-01 Close-out Pending Completion of the Supplemental GCS at GCS-04</b>
<b>Project RFIs</b>			
<b>RFI No.</b>	<b>Title</b>	<b>CQC Submittal Date</b>	<b>CQA/EPA Response Date(s)</b>
HC-2021-04	Fiber Optic Cable Materials – Connectors <b>Effluent Pipeline</b>  <b>Engineer's Input Received 6/17/2021</b>	5/26/2021	CQA – 6/18/2021 <b>EPA Response Received 6/24/2021 – No Concerns</b>
2021-04	Earthen Berm Pipe Anchor  <b>Stantec to Prepare Resubmittal Response</b>	5/26/2021	CQA 6/4/2021 <b>EPA – Disapproved 6/4/2021</b>
HC-2021-05	Use of Low-Pressure Air Test Instead of Hydrostatic Test <b>Effluent Pipeline</b>  Engineer's Response Received 6/17/2021	6/7/2021	<b>CQA – TBD EPA - TBD</b>
<b>Submittals</b>			
<b>Submittal No.</b>	<b>Title</b>	<b>CQC Submittal Date</b>	<b>CQA/EPA Response Date(s)</b>
01300-04	Rockfall Mitigation Material Information for Pit 3  <b>Waiting on Manufacturer's Certification Letters from Geobrugg and Williams Form w/r/t MTRs</b>	5/4/2021	CQA Acceptance 5/27/2021 <b>EPA - TBD</b>
02970-06.1	Revised - Midnite Mine Permanent Seed Mix List  <b>Due to lack of availability – substitute different varieties of the same species.</b>	6/7/2021	CQA – 6/15/2021 <b>EPA – TBD</b>
HC-01575-02.1	Addendum to SPCC – Fuel Tanks <b>Effluent Pipeline</b>  <b>EPA returned with Comments – Discuss with EPA</b>	6/10/2021	CQA – 6/14/2021 <b>EPA - TBD</b>
HC-02593-01.1	<b>Engineered Manhole Drawings</b> <b>Effluent Pipeline</b>  <b>Stantec Requires: Stamped Structural Calculations, Manufacturer's Certs and Traffic-Rated Concrete Pad Design.</b>	6/15/2021	<b>CQA – TBD EPA - TBD</b>
HC-02200-01.1	Gradation Samples for Top/Base Course <b>Effluent Pipeline</b>	6/17/2021	CQA – 6/21/2021 <b>EPA - TBD</b>

02970-07	Midnite Mine Temporary Erosion Seed Mix  <b>EPA Comment:</b> Respond as to the plan for establishing the seed during the dry season.	6/22/2021	CQA – 6/23/2021 <b>EPA Approval Received 6/24/2021</b>
02272-15	South Pond Geomembrane – 2021 Liner Repairs	6/21/2021	<b>CQA – TBD EPA - TBD</b>
HC-02594-01.1	Calibration Certification for Halme Datalogger <b>Effluent Pipeline</b>	6/18/2021	CQA – 6/23/2021 <b>EPA - TBD</b>
<b>Other Items</b>			
<b>Item</b>	<b>Title</b>	<b>Comments</b>	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2021 CQA Folder.

### Site Inspections

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

### Preparatory Inspections / Meetings

- None

### Initial Phase Inspections

- Effluent Pipeline – Continued mobilized equipment inspections and clearing and grubbing limits

### Follow-up Phase and Ongoing Inspections

- Effluent Pipeline – HDPE pipe trial welds/welding
- South Pond Liner – Leak investigation and repairs
- Hi-Tech Rockfall – Scaling, installing additional wire mesh curtain panels, proof tests on attenuator post anchor bolts on west side of Pit 3.
- Checks on Mine Waste Placement in Pit 4 – Low activity/low reactivity material from the SWRP, Middle Overburden Pile and South CSZ materials placed - no restrictions on placement.
- Periodic observations on placement of construction debris/trash in the Pit 4 WCA.
- Pit 3 Dewatering Pipe - Welds for 10-inch DR11 HDPE Pipe
- Hydrostatic Test - GW-54 3-inch DR11 HDPE Pipe

### Completion Inspections

- None

## THREE WEEK LOOKAHEAD SCHEDULE

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:
<u>Andrew Liffing, P.E.</u> <u>Project Construction Director</u>
Attachments
<ul style="list-style-type: none"> <li>• Attachment A – Midnite Mine 3 Week Lookahead Schedule</li> </ul>
Photos of pertinent items are provided below.





Figure 1 – Excavating low activity/low reactivity material at the SWRP view looking North.



Figure 2 – Excavating low activity/low reactivity material at the Pit 4 Overburden, view looking Southeast.





Figure 3 – Drainage channel at the downslope limits of the Pit 4 Overburden Pile removal area.



Figure 4 – Placement low activity/low reactivity material in the Pit 4, view looking South.





Figure 5 – Installing GCL in Infiltration Collector in Pit 4.



Figure 6 – Crushing and screening operations at the HSWRP.





Figure 7 – Progress of visible Mine Waste removal from the CSZ.



Figure 8 – Conducting a preliminary gamma scan of the surface after removal of visible mine waste at the CSZ.





Figure 9 – Utility crew welding 10-inch DR11 HDPE for the Pit 3 dewatering pipeline



Figure 10 – Pit 3 rockfall protection attenuator posts installed



**ATTACHMENT A**

**MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE**

Activity ID	Activity Name	RD	% Complete	Start	Finish			Jun 20							Jun 27							Jul 04							Jul 11				
						Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr	Fri	Sat	Sun	Mon	Tue	Wed	Thr
17. Excavation and placement of materials into Pit #4		71d		29-Mar-21 A	05-Oct-21																												
17-1240	Excavate and Haul SWRP (Middle Zone Mining -All Phase A) Pit	15d	81%	29-Mar-21 A	16-Jul-21																												
17-1220	Excavate and Haul Pit 4 Overburden middle section	71d	70%	12-May-21 A	05-Oct-21																												
18. Complete Repair of South Pond		11d		23-Apr-21 A	12-Jul-21																												
18-1040	Support South Pond Pumping Station construction Commision So	11d	50%	23-Apr-21 A	12-Jul-21																												
20. Haul and place Cover material over the Pit#4 WCA		126d		29-Mar-21 A	23-May-22																												
20-1050	Haul Crushing and Screening Rejects Material to Pit#4	121d	4%	29-Mar-21 A	16-May-22																												
20-1060	Produce Geomembrane Bedding for Pit#4	121d	20%	29-Mar-21 A	16-May-22																												
20-1070	Haul Geomembrane Bedding to Stockpiles for Pit#4 Cap	126d	20%	29-Mar-21 A	23-May-22																												
26. Construct the new WTP and Pipeline for discharge		32d		07-Jun-21 A	10-Aug-21																												
26-3070	Erosion Control BMP's & Site Controls	6d	10%	07-Jun-21 A	02-Jul-21																												
26-3090	Material Staging & Pipe Fusing	32d	10%	07-Jun-21 A	10-Aug-21																												
26-1270	Place erosion control Best Management Practices on New Stockpi	0d	5%	07-Jun-21 A	25-Jun-21																												
26-3080	Clearing & Grubbing	15d	7%	18-Jun-21 A	16-Jul-21																												
26-3100	HDD Pipe Segment - West End Road	9d	0%	28-Jun-21*	09-Jul-21																												
26-3110	Begin at STA 14+63.53	0d	0%	28-Jun-21																													
26-3120	Install MH at STA 34+55	7d	0%	28-Jun-21	07-Jul-21																												
26-1290	Revegetate New Topsoil Stockpile	1d	0%	30-Jun-21	30-Jun-21																												
26-3130	Progress to STA 50+00	7d	0%	07-Jul-21	15-Jul-21																												
27. Produce drain rock and other materials necessary for the sub-waste line		122d		29-Mar-21 A	17-May-22																												
27-1000	Produce Drain Gravel for Pit 3	122d	25%	29-Mar-21 A	17-May-22																												
27-1030	Haul Drain Gravel, Stockpile (301k cy)	122d	25%	29-Mar-21 A	17-May-22																												
27-1060	Produce Liner Bedding for Pit 3	25d	74%	28-Apr-21 A	30-Jul-21																												
27-1070	Haul Liner bedding to Stockpile for Pit 3 (15,000 cy)	25d	74%	28-Apr-21 A	30-Jul-21																												
28. Initiate construct of the Pit#3 sump including initial construction of unde		25d		03-May-21 A	30-Jul-21																												
28-1250	Install rock fall protection	12d	70%	03-May-21 A	13-Jul-21																												
28-1150	Route new temporary line from GW54 to South Pond	25d	50%	09-Jun-21 A	30-Jul-21																												
28-1240	Remove and store/dispose transformers and safe-off high voltage	5d	0%	14-Jul-21	20-Jul-21																												